

IN THE SPECIFICATION

Please amend the Title beginning at page 1, line 1, as follows:

IMAGING APPARATUS INCLUDING A PLURALITY OF PHOTOELECTRIC  
TRANSFER DEVICES

Please amend the paragraph beginning at page 7, line 26, as follows:

In Fig. 1(b), 61 shows an imaging apparatus having an image formation lens shown in Fig. 1(a) for forming four images 2 of photogenic subject on the light-receiving surface of the imaging device 103, and 62 a signal arrangement converter for reproducing one image of photogenic subject from four images 2 of photogenic subject. The signal arrangement converter 62 is composed of, as a well-known circuit, a memory device such as frame memory, a control circuit to read electric signals from imaging devices and a control circuit for reading electric signals from the memory device with controlling the order of reading. Fig. 15 illustrates the imaging apparatus shown in Fig. 1(a) from an angled perspective. The formation of image of photogenic subject in the above arrangement is explained. The electric signal intensity of one photoelectric transfer device composing the light-receiving surface of the imaging device is read according to arrangement of photoelectric transfer devices (for example, from left of photoelectric transfer devices which are arranged on top in turn. that is,  $n_{1,1}, \dots, n_{x,1}, n_{1,2}, \dots, n_{x,2}, \dots, n_{1,y}, \dots, n_{x,y}$  shown in Fig.2 ). These electric signals of photoelectric transfer devices are written once in the memory device of the signal arrangement converter, and they are read out from the memory device again to be displayed on an image screen 109 through an image data processing device 108. When these electric signals are written in and read out, these electric signals are rearranged corresponding to the number and position of images of photogenic subject, in other words, each pixel is rearranged

as  $n_{1,1}$ ,  $n_{(x/2)+1,1}$ ,  $n_{1,(y/2)+1}$ ,  $n_{(x/2)+1,(y/2)+1}$ ,  $n_{2,1}$ ,  $n_{(x/2)+2,1}$ ,  $n_{2,(y/2)+1}$ ,  $n_{(x/2)+2,(y/2)+1}$ , ...,  $n_{x/2,1}$ ,  $n_{x,1}$ ,  $n_{x/2,(y/2)+1}$ ,  $n_{x,(y/2)+1}$ ,  $n_{1,2}$ ,  $n_{(x/2)+1,2}$ ,  $n_{1,(y/2)+2}$ ,  $n_{(x/2)+1,(y/2)+2}$ , ...,  $n_{x/2,y/2}$ ,  $n_{x,y/2}$ ,  $n_{x/2,y}$ ,  $n_{x,y}$ . The electric signals are sent to the image data processing device 108 where one image of photogenic subject is obtained by reading out in this order, so that one image of photogenic subject is displayed on the image display apparatus 109. With this arrangement, the imaging apparatus according to the present invention can synthesize a plurality of images of photogenic subject imaged on the light-receiving surface of the imaging device by a plurality of image formation lenses, to one image of photogenic subject by using a signal arrangement converter.